

## ABSTRACT

A honeycomb filter for purifying exhaust gases. A plurality of rectangular columnar porous ceramic members are combined with one another through a sealing material layer to constitute a ceramic block, each of the rectangular columnar porous ceramic member including a number of through holes that are placed in parallel with one another in the length direction with a partition wall interposed therebetween. A sealing material layer is also formed on a circumference portion of the ceramic block, and the partition wall that separates the through holes functions as a filter for collecting particulates. On a cross section perpendicular to the length direction of the porous ceramic member of the ceramic block, the maximum width  $L$  (mm) of the crisscross portion of the sealing material layer is 1.5 to 3 times greater than the minimum width  $l$  (mm) of the sealing material layer.